Ramp Assembly Instructions

Although the Ares I has a vertical Launch Pad, our ramp's 20 degree angle will better hold and display your Ares I Can Model. Due to the amount of power tools needed be sure to ask for help. NASA puts the safety of their employees first, because safety leads to better production and Mission success.

1. Go to a local hardware or building supply store and purchase:
    - (1) 8"x 65", 3/4" MDF ***<Base>***
    - (1) 3"x 66", 3/4" MDF ***<Rocket Ramp>***
    - (1) 3-3/4"x 66", 3/4" MDF ***<Rocket Ramp>***
    - (2) 3/4"x 30-3/4", 1/2" MDF ***<Filler Blocks>***
    - (1) 5"x 23-5/8", 3/4" MDF ***<Brace>***
    - (1) 3"x 5-1/4", 3/4" MDF ***<Can Block>***
    - (17) 1-1/4" or 1-1/2" Screws
    - Brad Nails (or Wood Glue)
    - 1" Long Wooden Cylinder (Optional)

Medium Density Fiberboard (MDF) may be substituted with Plywood or any wood product matching the dimensions.

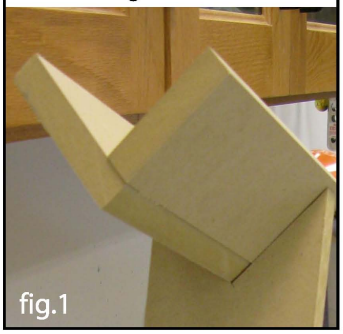

fig.1

2. Cut MDF to fit specifications in the Ramp Diagram. When using a power saw and working with lumber, wear safety equipment such as safety glasses, gloves with grips, and closed toe shoes (steel toe if possible).
3. Put two screws through the bottom of the base board at 1" from the end to stabilize the Brace.
4. Put two screws through the bottom of the base board at 1" from the opposite end to stabilize the Can Block.
5. Put the two MDF boards for the Rocket Ramp at a 90 degree angle (see fig.2 below) with eight screws through the 3-3/4"x 66" MDF into the 3"x 66" MDF.
6. Secure the Rocket Ramp to the Base by screwing 3 screws through the can blocker into the Rocket Ramp at the three points of the me "V" (see fig.3). Also put 2 screws through each board of the Rocket Ramp into the Brace.
7. Place Fillers into the lower end (starting at the can block) of the Rocket ramp with brad nails or wood glue (see fig.4).
8. <*optional*> Glue a 1" long wooden cylinder on top of the Rocket Ramp Fillers against the can block (this gives room to glue the cotton to the cylinder).

fig. 2

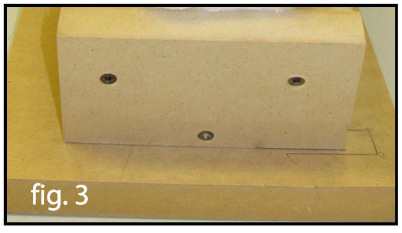

fig. 3

fig. 4